

**Grantee:** City of Akiak

**Project Name:** Akiak RPSU Final Design

**Grant and Project#** 1399 350276

### **Grant Completion Report**

**Background:** Akiak is a community of 355 full time residents. Akiak is a Yup'ik Eskimo village with a reliance on subsistence and fishing activities. In 1880, the village of "Ackiagmute" had a population of 175. The name Akiak means "the other side," since this place was a crossing to the Yukon River basin during the winter for area Eskimos. The Akiak Post Office was established in 1916. A U.S. Public Health Service hospital was built in the 1920s. The city was incorporated in 1970.

Akiak is located on the west bank of the Kuskokwim River, 42 air miles northeast of Bethel, on the Yukon-Kuskokwim Delta. Precipitation averages 16 inches in this area, with average annual snowfall of 50 inches. Summer temperatures range from 42 to 62 degrees F. Winter temperatures range from -2 to 19 degrees F.

#### **Activities:**

This project constructed a new powerhouse, electrical distribution system, waste heat recovery system, and fuel line to the bulk fuel farm in Akiak.

#### **Project Costs:**

	Funding Source	Amount
Total Denali Commission Funding: \$2,000,000.00		
	State of Alaska	\$2,000,000.00
Total Other Funding: \$2,000,000.00		
Total Project Funding: \$4,000,000.00		

#### **Project Outcomes:**

Installation of a modular power house with (4) 210 kW gensets, fully automated switchgear with remote monitoring, SCADA, and electrical distribution system. A new heat recovery system provides heat to the water plant and community building. The new system provides efficient, safe, and reliable power to the community of Akiak.

#### **Problems Encountered:**

None

#### **Conclusions and Recommendations:**

Monitoring O&M